

Title (en)

Optical coupling structure, method of realizing such a structure and related positioning means.

Title (de)

Optische Kopplungsstruktur, Verfahren zur Realisierung einer derartigen Struktur und damit verbundene Positionierungsmittel.

Title (fr)

Structure de couplage optique, méthode de réalisation d'une telle structure et moyen de son positionnement.

Publication

**EP 0683409 A1 19951122 (EN)**

Application

**EP 94201401 A 19940518**

Priority

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Abstract (en)

The coupling structure is intended for coupling an optical termination (T1/T5) of an optical fiber conductor (F1/F5) to an optical terminal (T1'/T5') of an optical device which can be another optical fiber conductor. The structure includes a carrier (S, P) wherein the optical fiber conductor is so embedded that it has at least one locally bent portion reaching an outer surface of the carrier and forming there the optical termination. The carrier includes a first positioning means (P) to correctly position the optical termination with respect to the carrier and a second positioning means (L1-L3) able to cooperate with a third positioning means (s1, s2, s3) of an optical arrangement including the optical device to realize the coupling. The first positioning means (P) is constituted by a plate having a substantially V-shaped lateral cut-out portion wherein the optical termination (T1/T5) fits and the second and third positioning means are realized by upstanding tongue shaped elements and edges of cut-out parts of the carrier and of the optical arrangement. <IMAGE> <IMAGE>

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CPC (source: EP US)

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Citation (search report)

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